FIG. 28A PRIOR ART

Regarding Rev/Ver of Property

Concept model	i Data model	Add	Change	Delete
Code	Property_BSU.code	–	X	X
Definition Class	Property_BSU.name_scope	X	X	X
Data type	Property_DET.domain	–	V(※8)	X
Preferred Name	item_name.name	–	R	X
Short Name	item_name.Short_name	–	R	X
Preferred Letter Symbol	Property_DET.preferred_symbol	R	R	X
Synonymous Letter Symbol	Property_DET.synonymous_symbols	R	R	R
Synonymous Name	item_name.Synonymous_names	R	R	R
Property Type Classification	Property_DET.DET_classification	–	R(※9)	X
Definition	Property_DET.definition	–	R/V(※10)	X
Source Document of definition	identified_document.document_identifier	R(※11)	R(※11)	R
Note	Property_DET.note	R(※11)	R(※11)	R
Remark	Property_DET.remark	R(※11)	R(※11)	R
Unit	int/real_measure_type.unit.structured_representation	–	X	X
Condition	Property_DET.depends_on	X	X/R(※12)	X
Formula	Property_DET.formula	R(※11)	R(※11)	R(※11)
Format	Property_DET.domain.simple_type.value_format	–	V	X
Date of Original Definition	dates.date_of_original_definition	–	X	X
Date of current version	dates.date_of_current_version	–	V	X
Date of current revision	dates.date_of_current_revision	–	R/V	X
Version number	Property_BSU.version	–	V	X
Revision number	Property_DET.revision	–	R	X

※8 Change of Data_type itself not allowed. Possible are:
1. Addition of option of enumeration type data
2. Change of Version of class constituting attribute range(ex:is_part_of relationship)
3. Change of Version of Data_type BSU

※9 Only in case of Rev change of ISO31 or ISO13584.

※10 Change of definition that affects Property is not allowed. But processing for evaluating value of this Property may be Changed. Ver change in such case, or Rev change otherwise.

※11 Change of definition that affects Property is not allowed.

※12 Change of Condition_DET is not allowed. Version change of Condition_DET will propagate to Depend_P_DET.

FIG. 28B PRIOR ART

Regarding Rev/Ver of Class

Concept model	i Data model	Add	Change	Delete
Code	Class_BSU.code	–	X	X
Super Class	Class.its_superclass	V(※15)	V(※12)	V(※12)
Preferred Name	item_name.name	–	R	X
Short Name	item_name.Short_name	V	V(※16)	X
Visible Type	Class_BSU.added_visible_data_type	V	V(※16)	X
Applicable Type	Class.defined_types	V	V(※16)	X
Sub-class selection Property	class.sub_class_properties	R	R	R
Synonymous Name	item_name.Synonymous_names	V	V(※16)	X
Visible Property	Class_BSU.added_visible_property	V	V(※16)	X
Applicable Property	Described_by	V	V(※16)	X
Class Value assignment	Class.class_constant_values	–	R/V(※17)	X
Definition	Property_DET.definition	R	R	R
Source Document of definition	identified_document.document_identifier	R	R	R
Note	Property_DET.note	R	R	R
Remark	Property_DET.remark	–	R	R
Simplified Drawing	Class.simplified_drawing	–	X	X
Date of Original Definition	dates.date_of_original_definition	–	V	X
Date of current version	dates.date_of_current_version	–	R/V	X
Date of current revision	dates.date_of_current_revision	–	V	X
Version number	Property_BSU.version	–	R	X
Revision number	Property_BSU.revision	–	R	X

※13 Value can only be added.
※14 Change of arbitrary element of Dependent P_DET Set.
※15 Property/Data_type of inherited Visible/Applicable Should not be deleted by change of Super Class. This occurs when (1) new Version is created by Sub-Class, or(2) intermediate class is inserted.
※16 Change is only addition of new Item or change of Version of Item to be referred.
※17 Change of definition that affects Property is not allowed.

Propagation of change of Class V/R
• Version change of parent class→Version change of all children classes (grand children classes)
• Version change of Table or contents that refer to class→Version change of that class